

CLAIMS

1. A cask buffer body comprising:
a shock absorber configured to be attached to a cask
that stores a recycle fuel, wherein
5 the shock absorber absorbs a shock against the cask by
being deformed, and includes a space for adjusting a shock
absorbing capability.
2. The cask buffer body according to claim 1, wherein
10 the space is a hole formed in the shock absorber.
3. The cask buffer body according to claim 2, wherein
a cross-sectional shape of the hole includes an
angular portion.
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4. The cask buffer body according to claim 3, wherein
a dimension of the hole is changed toward a direction
in which the shock is input to the shock absorber.
- 20 5. The cask buffer body according to claim 1, wherein
the space is a wedge notch, and
the wedge notch is formed at least on a side of the
shock absorber on which the shock is input to the shock
absorber.
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6. The cask buffer body according to claim 1, wherein
the space is a notch formed on the shock absorber.
7. The cask buffer body according to claim 1, wherein
30 the shock absorber is formed by combining a plurality
of shock absorber blocks made of a wood material.
8. The cask buffer body according to claim 1, wherein

the shock absorber is formed by combining a plurality of shock absorber blocks made of a wood material, in an annular shape, and

the shock absorber blocks are integrated by winding a
5 block binding unit around a circumferential groove formed on an outer circumference of the shock absorber in the annular shape.

9. The cask buffer body according to claim 1, wherein
10 the shock absorber is formed by combining a plurality of shock absorber blocks made of a wood material, in an annular shape,

each of the shock absorber blocks includes
a shock absorber block A having a diametral
15 outside dimension smaller than a diametral inside dimension; and

a shock absorber block B having a diametral outside dimension larger than a diametral inside dimension, and

20 a compressive strength of the shock absorber block A is stronger than a compressive strength of the shock absorber block B.

10. The cask buffer body according to any one of claims 7
25 to 9, wherein

the space is provided in such a manner that the space divides or passes through fibers of the wood material constituting each of the shock absorber blocks.

30 11. The cask buffer body according to any one of claims 7 to 10, wherein

the space is provided substantially in parallel to fibers of the wood materials constituting each of the shock

absorber blocks.

12. The cask buffer body according to any one of claims 7 to 11, wherein

5 the space is a hole formed in each of the shock absorber blocks.

13. The cask buffer body according to claim 12, wherein
10 a cross-sectional shape of the hole includes an angular portion.

14. The cask buffer body according to claim 13, wherein
 the angular portion is formed on a side of the shock absorber on which the shock is input to the shock absorber.
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15. The cask buffer body according to any one of claims 7 to 11, wherein
 the space is a wedge notch, and
 the wedge notch is formed at least on a side of the
20 shock absorber on which the shock is input to the shock absorber, in such a manner that a top of the wedge notch is oriented to a direction in which the shock is input to the shock absorber.

25 16. The cask buffer body according to any one of claims 7 to 11, wherein
 the space is a notch formed toward a direction in which the shock is input to the shock absorber.

30 17. The cask buffer body according to claim 16, wherein
 the space is a notch formed perpendicular to a fiber direction of the wood material.

18. The cask buffer body according to any one of claims 7 to 17, wherein

the shock absorber includes

5 a first shock absorber group that is obtained by combining the shock absorber blocks in such a manner that a fiber direction of the wood material is parallel to a shock input direction, that absorbs the shock in a direction parallel to an end surface of the cask, and that consists of a first material;

10 a second shock absorber group that absorbs the shock in a direction perpendicular to or oblique with respect to the end surface of the cask, and that consists of a second material of which a compressive strength is weaker than a compressive strength of the first material;

15 and

a third shock absorber group that absorbs the shock in a direction perpendicular to the end surface of the cask, and that consists of a third material of which a compressive strength is weaker than a compressive strength

20 of the second material, and

the space is provided at least in the first shock absorber group.